Multiple Dependent Claims (check if applicable) TOTAL ADDITIONAL FEE FOR THIS AMENDMENT No additional fee is required for amendment. Please charge Deposit Account No. in the amount of A duplicate copy of this sheet is enclosed. A check in the amount of to cover the filing fee is enclosed. The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 01-0840 A duplicate copy of this sheet is enclosed. Any additional filing fees required under 37 C.F.R. 1.16. Any patent application processing fees under 37 CFR 1.17. Patrick J. Viccaro, Registration No. 27,842 Allegheny Technologies Incorporated	AMENDMENT TRANSMITTAL LETTER (Large Entity)						Docket No.		
Invention: SUBSTRATE AREA SISTANT COMMISSIONER FOR PATENTS: Transmitted herewith is an amendment in the above-identified application. The fee has been calculated and is transmitted as shown below. CLAIMS AS AMENDED CLAIMS REMAINING HIGHEST # NUMBER EXTRA RATE FEE TOTAL CLAIMS 8 - 11 = 0 x \$18.00 \$0.00 INDEP. CLAIMS 2 - 2 = 0 x \$84.00 \$0.00 Multiple Dependent Claims (check if applicable) \$0.00 TOTAL ADDITIONAL FEE FOR THIS AMENDMENT \$0.00 No additional fee is required for amendment. Please charge Deposit Account No. in the amount of A duplicate copy of this sheet is enclosed. A check in the amount of to cover the filing fee is enclosed. The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 01-0840 A duplicate copy of this sheet is enclosed. Any patent application processing fees under 37 C.F.R. 1.16. Any patent application processing fees under 37 C.F.R. 1.17. Patrick J. Viccaro, Registration No. 27,842 Allegheny Technologies Incorporated	Applicant(s): L	M-1629 DIV 2							
TO THE ASSISTANT COMMISSIONER FOR PATENTS: Transmitted herewith is an amendment in the above-identified application. The fee has been calculated and is transmitted as shown below. CLAIMS AS AMENDED CLAIMS REMAINING HIGHEST # NUMBER EXTRA RATE FEE TOTAL CLAIMS 8 11 = 0 x \$18.00 \$0.00 INDEP. CLAIMS 2 2 = 0 x \$84.00 \$0.00 Multiple Dependent Claims (check if applicable) \$0.00 TOTAL ADDITIONAL FEE FOR THIS AMENDMENT \$0.00 What is a communication of the amount of A duplicate copy of this sheet is enclosed. The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 01-0840 A duplicate copy of this sheet is enclosed. Any additional fliing fees required under 37 C.F.R. 1.16. Any patent application processing fees under 37 C.F.R. 1.16. Any patent application processing fees under 37 C.F.R. 1.16. Dated: July 10, 2002 Patrick J. Viccaro, Registration No. 27,842 Allegheny Technologies Incorporated	09/627.801 (JUL 1 0 2002 5) 3 2000						· ·		
CLAIMS REMAINING AFTER AMENDMENT PREV. PAID FOR CLAIMS PRESENT TOTAL CLAIMS 8 - 11 = 0 x \$18.00 \$0.00 INDEP. CLAIMS 2 - 2 = 0 x \$84.00 \$0.00 Multiple Dependent Claims (check if applicable) TOTAL ADDITIONAL FEE FOR THIS AMENDMENT \$0.00 TOTAL ADDITIONAL FEE FOR THIS AMENDMENT No additional fee is required for amendment. Please charge Deposit Account No. in the amount of A duplicate copy of this sheet is enclosed. A check in the amount of to cover the filing fee is enclosed. The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 01-0840 A duplicate copy of this sheet is enclosed. Any additional filing fees required under 37 C.F.R. 1.16. Any patent application processing fees under 37 CFR 1.17. Patrick J. Viccaro, Registration No. 27,842 Allegheny Technologies Incorporated	CANDOND WAY AND LANGUAGE AND								
CLAIMS REMAINING AFTER AMENDMENT PREV. PAID FOR CLAIMS PRESENT TOTAL CLAIMS 8 - 11 = 0 x \$18.00 \$0.00 INDEP. CLAIMS 2 - 2 = 0 x \$84.00 \$0.00 Multiple Dependent Claims (check if applicable) TOTAL ADDITIONAL FEE FOR THIS AMENDMENT \$0.00 TOTAL ADDITIONAL FEE FOR THIS AMENDMENT No additional fee is required for amendment. Please charge Deposit Account No. in the amount of A duplicate copy of this sheet is enclosed. A check in the amount of to cover the filing fee is enclosed. The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 01-0840 A duplicate copy of this sheet is enclosed. Any additional filing fees required under 37 C.F.R. 1.16. Any patent application processing fees under 37 CFR 1.17. Patrick J. Viccaro, Registration No. 27,842 Allegheny Technologies Incorporated									
CLAIMS REMAINING AFTER AMENDMENT PREV. PAID FOR CLAIMS PRESENT TOTAL CLAIMS 8 - 11 = 0 x \$18.00 \$0.00 INDEP. CLAIMS 2 - 2 = 0 x \$84.00 \$0.00 Multiple Dependent Claims (check if applicable) TOTAL ADDITIONAL FEE FOR THIS AMENDMENT \$0.00 TOTAL ADDITIONAL FEE FOR THIS AMENDMENT No additional fee is required for amendment. Please charge Deposit Account No. in the amount of A duplicate copy of this sheet is enclosed. A check in the amount of to cover the filling fee is enclosed. The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 01-0840 A duplicate copy of this sheet is enclosed. Any additional filing fees required under 37 C.F.R. 1.16. Any patent application processing fees under 37 CFR 1.17. Patrick J. Viccaro, Registration No. 27,842 Allegheny Technologies Incorporated	黄泵								
CLAIMS REMAINING AFTER AMENDMENT PREV. PAID FOR CLAIMS PRESENT TOTAL CLAIMS 8 - 11 = 0 x \$18.00 \$0.00 INDEP. CLAIMS 2 - 2 = 0 x \$84.00 \$0.00 Multiple Dependent Claims (check if applicable) TOTAL ADDITIONAL FEE FOR THIS AMENDMENT \$0.00 TOTAL ADDITIONAL FEE FOR THIS AMENDMENT No additional fee is required for amendment. Please charge Deposit Account No. in the amount of A duplicate copy of this sheet is enclosed. A check in the amount of to cover the filing fee is enclosed. The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 01-0840 A duplicate copy of this sheet is enclosed. Any additional filing fees required under 37 C.F.R. 1.16. Any patent application processing fees under 37 CFR 1.17. Patrick J. Viccaro, Registration No. 27,842 Allegheny Technologies Incorporated	TO THE ASSISTANT COMMISSIONER FOR PATENTS:								
CLAIMS REMAINING AFTER AMENDMENT PREV. PAID FOR CLAIMS PRESENT TOTAL CLAIMS 8 - 11 = 0 x \$18.00 \$0.00 INDEP. CLAIMS 2 - 2 = 0 x \$84.00 \$0.00 Multiple Dependent Claims (check if applicable) TOTAL ADDITIONAL FEE FOR THIS AMENDMENT \$0.00 TOTAL ADDITIONAL FEE FOR THIS AMENDMENT No additional fee is required for amendment. Please charge Deposit Account No. in the amount of A duplicate copy of this sheet is enclosed. A check in the amount of to cover the filling fee is enclosed. The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 01-0840 A duplicate copy of this sheet is enclosed. Any additional filing fees required under 37 C.F.R. 1.16. Any patent application processing fees under 37 CFR 1.17. Patrick J. Viccaro, Registration No. 27,842 Allegheny Technologies Incorporated	Transmitted berawith is an amendment in the above identified application								
CLAIMS REMAINING AFTER AMENDMENT PREV. PAID FOR CLAIMS PRESENT TOTAL CLAIMS 8 - 11 = 0 x \$18.00 \$0.00 INDEP. CLAIMS 2 - 2 = 0 x \$84.00 \$0.00 Multiple Dependent Claims (check if applicable) TOTAL ADDITIONAL FEE FOR THIS AMENDMENT \$0.00 TOTAL ADDITIONAL FEE FOR THIS AMENDMENT No additional fee is required for amendment. Please charge Deposit Account No. in the amount of A duplicate copy of this sheet is enclosed. A check in the amount of to cover the filling fee is enclosed. The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 01-0840 A duplicate copy of this sheet is enclosed. Any additional filing fees required under 37 C.F.R. 1.16. Any patent application processing fees under 37 CFR 1.17. Patrick J. Viccaro, Registration No. 27,842 Allegheny Technologies Incorporated	The fee has been calculated and is transmitted as shown below								
CLAIMS REMAINING AFTER AMENDMENT PREV. PAID FOR CLAIMS PRESENT TOTAL CLAIMS 8 - 11 = 0 x \$18.00 \$0.00 INDEP. CLAIMS 2 - 2 = 0 x \$84.00 \$0.00 Multiple Dependent Claims (check if applicable) TOTAL ADDITIONAL FEE FOR THIS AMENDMENT \$0.00 TOTAL ADDITIONAL FEE FOR THIS AMENDMENT No additional fee is required for amendment. Please charge Deposit Account No. in the amount of A duplicate copy of this sheet is enclosed. A check in the amount of to cover the filing fee is enclosed. The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 01-0840 A duplicate copy of this sheet is enclosed. Any additional filing fees required under 37 C.F.R. 1.16. Any patent application processing fees under 37 CFR 1.17. Patrick J. Viccaro, Registration No. 27,842 Allegheny Technologies Incorporated	CLAIMS AS AMENDED								
AFTER AMENDMENT PREV. PAID FOR CLAIMS PRESENT FEE TOTAL CLAIMS 8 - 11 = 0 x \$18.00 \$0.00 INDEP. CLAIMS 2 - 2 = 0 x \$84.00 \$0.00 Multiple Dependent Claims (check if applicable) \$0.00 TOTAL ADDITIONAL FEE FOR THIS AMENDMENT \$0.00 **No additional fee is required for amendment.* Please charge Deposit Account No. in the amount of A duplicate copy of this sheet is enclosed. A check in the amount of to cover the filing fee is enclosed. The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 01-0840 A duplicate copy of this sheet is enclosed. Any patent application processing fees under 37 C.F.R. 1.16. Any patent application processing fees under 37 CFR 1.17. Patrick J. Viccaro, Registration No. 27,842 Allegheny Technologies Incorporated									
TOTAL CLAIMS 8 - 11 = 0 x \$18.00 \$0.00 INDEP. CLAIMS 2 - 2 = 0 x \$84.00 \$0.00 Multiple Dependent Claims (check if applicable) \$0.00 TOTAL ADDITIONAL FEE FOR THIS AMENDMENT \$0.00 **TOTAL ADDITIONAL FEE FOR THIS AMENDMENT \$0.00 **No additional fee is required for amendment.* Please charge Deposit Account No. in the amount of A duplicate copy of this sheet is enclosed. A check in the amount of to cover the filing fee is enclosed. The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 01-0840 A duplicate copy of this sheet is enclosed. Any additional filing fees required under 37 C.F.R. 1.16. Any patent application processing fees under 37 CFR 1.17. Dated: July 10, 2002 **Signature** Patrick J. Viccaro, Registration No. 27,842 Allegheny Technologies Incorporated				_		RATE			
Multiple Dependent Claims (check if applicable) TOTAL ADDITIONAL FEE FOR THIS AMENDMENT No additional fee is required for amendment. Please charge Deposit Account No. in the amount of A duplicate copy of this sheet is enclosed. A check in the amount of to cover the filling fee is enclosed. The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 01-0840 A duplicate copy of this sheet is enclosed. Any additional filling fees required under 37 C.F.R. 1.16. Any patent application processing fees under 37 CFR 1.17. Dated: July 10, 2002 **Search** Patrick J. Viccaro, Registration No. 27,842 Allegheny Technologies Incorporated	TOTAL CLAIMS		 		· · · · · · · · · · · · · · · · · · ·	x \$18	.00		
No additional fee is required for amendment. Please charge Deposit Account No. in the amount of A duplicate copy of this sheet is enclosed. A check in the amount of to cover the filing fee is enclosed. The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 01-0840 A duplicate copy of this sheet is enclosed. Any additional filing fees required under 37 C.F.R. 1.16. Any patent application processing fees under 37 CFR 1.17. Dated: July 10, 2002 Patrick J. Viccaro, Registration No. 27,842 Allegheny Technologies Incorporated	INDEP. CLAIMS	ļ		:					
 No additional fee is required for amendment. □ Please charge Deposit Account No. in the amount of A duplicate copy of this sheet is enclosed. □ A check in the amount of to cover the filing fee is enclosed. ☑ The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 01-0840 A duplicate copy of this sheet is enclosed. ☑ Any additional filing fees required under 37 C.F.R. 1.16. ☑ Any patent application processing fees under 37 CFR 1.17. □ Dated: July 10, 2002 Patrick J. Viccaro, Registration No. 27,842 Allegheny Technologies Incorporated 	Multiple Dependent Claims (check if applicable) \$0.00								
 □ Please charge Deposit Account No. in the amount of A duplicate copy of this sheet is enclosed. □ A check in the amount of to cover the filing fee is enclosed. ☑ The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 01-0840 A duplicate copy of this sheet is enclosed. ☑ Any additional filing fees required under 37 C.F.R. 1.16. ☑ Any patent application processing fees under 37 CFR 1.17. ☑ Dated: July 10, 2002 Patrick J. Viccaro, Registration No. 27,842 Allegheny Technologies Incorporated 	TOTAL ADDITIONAL FEE FOR THIS AMENDMENT							\$0.00	
 □ Please charge Deposit Account No. in the amount of A duplicate copy of this sheet is enclosed. □ A check in the amount of to cover the filing fee is enclosed. ☑ The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 01-0840 A duplicate copy of this sheet is enclosed. ☑ Any additional filing fees required under 37 C.F.R. 1.16. ☑ Any patent application processing fees under 37 CFR 1.17. ☑ Dated: July 10, 2002 Patrick J. Viccaro, Registration No. 27,842 Allegheny Technologies Incorporated 									
Allegheny Technologies Incorporated	 □ Please charge Deposit Account No. in the amount of A duplicate copy of this sheet is enclosed. □ A check in the amount of to cover the filing fee is enclosed. ☑ The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 01-0840								
		ologies Incorporated							

1000 Six PPG Place Pittsburgh, PA 15222

I certify that this document and fee is being deposited cruly 10, 2002 with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Signature of Person Mailing Correspondence

Susan M. Lloyd

Typed or Printed Name of Person Mailing Correspondence